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SCHEMI MATEMATICA APPLICATA
    CALCOLO COMBINATORIO
                                                                                                                            D^{n''K} = \frac{(n-n')!}{n!} \qquad D^{n'K} = \frac{n'}{N} \qquad b^{n''} = \frac{n'}{N} \qquad b^{n''} = \frac{n'}{N} \qquad C^{n''K} = \left(\frac{n'}{N}\right) = \frac{n'}{n'!} \qquad C^{n''K} = \left(\frac{n''}{N}\right) = \frac{n''}{N} = \frac{n
          FORMULE
                (EUF) = ECAFC (EAF) = EUFC P(AUB) = P(A) + P(B) - P(AAB)
            P(AIB) = P(AAB)/P(B)
                                                                                                                              P(E) = & P(E|Hz) . P(Hz)
                                                                                                                                P(H31E)= P(E1H3).P(H3)
                  BAYES
                                                                                                                                                                                                                                       EPCEIHA. PCHA
        VARIABILI CASUALI
        FUNZIONI)---
                                                                                                                                                                              MASSA: P(a) = P(x+a) bisteis: F(a) = P(xca)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X discreta
                                                                                                                 DENSITÄ: P(X \in B) = \int_{-1}^{1} f(s) ds DISTALB: F(a) = \int_{-a}^{a} f(s) ds \frac{df(a)}{ds} \cdot f(a) X continua
         (a_{i}b) = f_{X}(a_{i}) + f_{X}(a
    V_{2}(x) = \begin{cases} \begin{cases} \frac{1}{2} & \frac{1}{2} &
                                                                                                                                                                          E \ [x] : \begin{cases} \sum_{k=1}^m x_k p(x_k) & X \ disc. \\ \int_{0}^{n-1} x_k f(x) & X \ cont. \end{cases}
                                                                                                                                                                                                                                                                                                                             Var(1x+8) = 12 Var(x)
        (ov(X,Y) def
                                                                                                                                            (or(x,y)= E[(x-E[x]) (y-E[y])]
                                                                                             (or(x,y):(or(x,y):E[x,y]-E[x]E[y]) \qquad (or(x,y):Vor(x)) \qquad V_{2r}(x+y):V_{3r}(x)+V_{3r}(y)+2(or(x,y))
        MARKOV P(x sa) & #
        CEBYCEV P(IX-E[X] >r) « Yarex
      MODELLI V.C.
        E[x] = \frac{1}{p} \quad \text{;} \quad V_{2r}(x) = \frac{q}{p^2} \quad \text{;} \quad P(x) = p q^{k-t}
E[x] = \frac{r}{p} \quad \text{;} \quad V_{2r}(x) = \frac{rq}{p^2} \quad \text{;} \quad P(x) = \binom{k-t}{r-t} p^r q^{k-r}
E[x] = \lambda \quad \text{;} \quad V_{2r}(x) = \lambda \quad \text{;} \quad P(x) = \frac{k-t}{k!} e^{\lambda}
        GEOMETRICEE X-6(M) X & N-101 X = N- cap Find at A P(A) = P
            BI POMIALI X NO(F,P) F est di A

X = 10 esp.

P(A) = P
        Cibon X-Po(A) A media
        E[x] = \frac{\beta \cdot d}{2} \quad \text{for } (x) = \frac{(\beta - 1)^{1}}{42} \quad \text{for } (x) = \frac{1}{\beta - 1} \quad 
                                                    E[x] = M \quad \text{i} \quad V_{2r}(x) = c^{2} \quad \text{i}
V
        GAUSSIANA Y~N(F. 6")
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